

# a checklist of ornamental trees for canada



630.4  
C212  
D-1343  
1979  
Rev.  
P.3



**Agriculture  
Canada**

Publication 1343

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# a checklist of ornamental trees for canada

**Revision prepared by Trevor J. Cole  
Ottawa Research Station  
Ottawa, Ont.**



**PUBLICATION 1343**, available from  
Information Services, Agriculture Canada, Ottawa K1A 0C7

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Cat. No. A53-1343/1979 ISBN: 0-662-10614-8

Printed 1968, revised 1979 10M-11:79

The following trees are particularly valuable for landscape use and many are widely grown in Canada. The localities where they can be grown range from the mild Vancouver-Victoria region (zones 8b and 9) to the intensely cold areas of Canada's North (zone 1). Some trees are more useful than others in certain areas because of their hardiness or other special adaptive features.

Included with the botanical name are the height, the coldest zone in which the tree can be grown, and if there is one the common name or names. The botanical names are in accordance with the *International code of botanical nomenclature* and the *International code of nomenclature of cultivated plants*—1969. (Invalid names, often still used in Canada, are included in parentheses after the name presently accepted.) Additional information on many of these trees and their culture is contained in the following Agriculture Canada publications: 995, *Trees for ornamental planting* and 994, *Culture of ornamental trees for Canadian gardens*.

In addition to botanical and common names, many cultivar names are given. Cultivars are plants that have originated and persisted under cultivation. In the past, they were known mainly as varieties or forms. In the following list, cultivars are in single quotation marks, for example 'Crimson King', which is a cultivar of *Acer platanoides*. Cultivars are listed under the species to which they belong, except when they cannot be assigned to a particular species, as in *Malus* 'Hopa'.

The term variety is now usually reserved for a botanical division of a species. In this checklist, varieties are set in the same type as the species name. For example, in *Fraxinus pennsylvanica subintegerrima*, *subintegerrima* is a variety of *Fraxinus pennsylvanica*.

Interspecific hybrids, or hybrids whose parents belong to the same genus, are treated as species and are designated by the multiplication sign  $\times$  immediately preceding the specific epithet, as in *Aesculus*  $\times$  *carnea*, the red horse-chestnut. Intergeneric hybrids are listed with the multiplication sign  $\times$  immediately before the hybrid genus name as in  $\times$  *Cupressocyparis leylandii*, a hybrid of *Cupressus macrocarpa* and *Chamaecyparis nootkatensis*. In most cases hybrids, like cultivars, must be propagated by cuttings, grafts, or other vegetative means.

Each height given is the maximum usually expected under ideal cultural conditions in Canada. Many references list only the maximum height for a species when it grows in its native habitat. However, such a height is usually not attained under cultivation, although some plants grow larger in cultivation. A range is also given, as in 18–30 m for *Picea abies*, the Norway spruce. The minimum height is the one to be expected under ideal conditions in areas where the species is growing at the limit of its hardiness range. The maximum is the height to which the plant will grow in more favorable climates. Heights in parentheses are for trees native to Canada as found in native stands.

In selecting trees for any particular area, hardiness is the most important factor to consider. New trees or those unknown to a garden-



er present a problem if their survival is uncertain in a particular area. All trees in this checklist have been given a hardiness rating based on the experience of horticulturists at the Central Experimental Farm, Ottawa, and elsewhere in Canada. Some of these ratings are provisional; further testing will undoubtedly show that some trees can be grown in zones colder than the one indicated.

Many factors affect the hardiness of a plant in a given area. The minimum temperature during the winter is the most important element in plant survival. Other factors are the length of the frost-free period, summer rainfall, soil type, moisture, and wind. Soils, especially on the prairies, often critically influence plant survival. Soil constituents can often be amended to overcome a difficulty with shrubs, but the quantity needed for trees would usually be too large. Low rainfall, too, can be counteracted by irrigation, but this is often laborious or impossible to do for large trees. Little can be done to change overabundance of rain or a very dry atmosphere.

The hardiness zone ratings refer to those on the Agriculture Canada *Map of Plant Hardiness Zones in Canada*, which is available, free of charge, from Information Services, Agriculture Canada, Ottawa, Ont. K1A 0C7.

On the map each zone bears a number; numbers have been allotted in decreasing order of severity. Most zones are subdivided into sections *a* and *b*, also in decreasing order of severity. In the zone column in the following list for each item there is a number or number and letter, which represents the most severe zone in which the tree can be expected to survive and grow satisfactorily. The plant will also be hardy in all zones with a higher number. A zone number alone indicates that the tree should grow throughout that zone. A tree listed with a *b* zone should be hardy in the milder half of the zone, but cannot be expected to survive satisfactorily in the *a* section.

Botanical name	Height (metres)	Zone	Common name(s)
<i>Abies† amabilis</i> *	15-24 (33)	7b	Pacific fir
<i>balsamea</i> *	9-18 (23)	1	balsam fir
<i>cephalonica</i>	21	5	Greek fir
<i>concolor</i>	18-30	4	Colorado fir
<i>grandis</i> *	15-36 (66)	7	giant fir
<i>holophylla</i>	9-24	3b	needle fir
<i>homolepis</i>	24	5	Nikko fir
<i>koreana</i>	15	4	Korean fir

† To prevent the spread of the balsam woolly aphid in British Columbia, planting or distributing any species or cultivar of *Abies* is prohibited in that province.  
 \* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>lasiocarpa</i> *	15-24 (30)	2b	alpine fir
<i>nordmanniana</i>	18-30	6	Nordmann fir
<i>pinsapo</i>	20	8	Spanish fir
'Glauca'	18	8	blue Spanish fir
<i>procera</i> (A. <i>nobilis</i> )	18-45	8	noble fir
<i>sibirica</i>	12-24	2	Siberian fir
<i>veitchii</i>	21	5	Veitch fir
<i>Acer buergeranum</i>	6	7	trident maple
<i>campestre</i>	6-9	5b	hedge maple
<i>cappadocicum</i> 'Aureum'	10	6	golden coliseum maple
'Rubrum'	10	6	red coliseum maple
<i>carpinifolium</i>	9	7	hornbeam maple
<i>circinatum</i> *	3-9	6	vine maple
<i>dauricum</i>	12	7b	David maple
<i>ginnala</i>	6-9	2b	Amur maple
<i>glabrum douglasii</i> *	3-7	5b	Douglas maple
<i>griseum</i>	7	6	paperbark maple
<i>grosseri hersii</i>	15	7	
<i>japonicum</i>	7	6	fullmoon maple
<i>macrophyllum</i> *	15-21 (27)	8	bigleaf maple
<i>mandshuricum</i>	9	6	Manchurian maple
<i>monspessulanum</i>	6-9	7	Montpellier maple
<i>negundo</i> *	9-15 (21)	2	box-elder, Manitoba maple
'Variegatum'	10	7	silverleaf box-elder
<i>palmatum</i>	3-6	6	Japanese maple
'Atropurpureum'	3-5	6	purple Japanese maple
'Bloodgood'	3-5	6	bloodgood Japanese maple
<i>pensylvanicum</i> *	3-9 (12)	2b	striped maple, moosewood
<i>platanoides</i>	15-23	5	Norway maple
'Cleveland'	12	6	Cleveland maple
'Columnare'	12-15	5	columnar Norway maple
'Crimson King'	12	4b	crimson king maple
'Drummondii'	9	5	harlequin maple
'Emerald Queen'	12	6	emerald queen maple
'Faassen's Black'	12	5	Faassen redleaf maple

\* Species native to Canada.

<b>Botanical name</b>	<b>Height (metres)</b>	<b>Zone</b>	<b>Common name(s)</b>
'Globosum'	4.6-6	5	globe Norway maple
'Goldsworth Purple'	12	5	Goldsworth purple maple
'Olmsted'	12	5	Olmsted maple
'Royal Red'	12	5	royal red maple
'Schwedleri'	15-20	5	Schwedler maple
'Summer Shade'	18-23	5	summer shade Norway maple
<i>pseudoplatanus</i>	12-21	5b	sycamore, sycamore maple
'Erectum'	12	6	columnar sycamore maple
'Leopoldii'	12	5b	Leopold sycamore maple
'Spaethii'	9	5b	Spaeth maple
'Worleei'	12	5b	golden sycamore maple
<i>rubrum</i> *	18 (27)	3	red maple, swamp maple
'Morgan'	15	4	Morgan red maple
'October Glory'	15	5	October glory maple
'Red Sunset'	15	5	red sunset maple
'Schlesingeri'	15-18	5	Schlesinger red maple
<i>saccharinum</i> *	18-27 (37.5)	2b	silver maple
( <i>A. dasycarpum</i> )			
'Wieri' ('Laciniatum')	21	3	cutleaf silver maple
<i>saccharum</i> *	18-27 (39)	4	sugar maple, hard maple
'Green Mountain'	15	4	green mountain maple
'Newton Sentry'	12	5	sentry sugar maple
<i>nigrum</i> *	18 (27)	4	black maple
'Temple's Upright' ( <i>'Monumentale'</i> )	12-15	5	Temple's upright maple
<i>spicatum</i> *	4-7	2	mountain maple
<i>tataricum</i>	4-6	2b	Tatarian maple
<i>truncatum</i>	6	4	purpleblow maple
<i>mono</i>	9-15	5	mono maple
<i>Aesculus</i> × <i>carnea</i>	12-18	5b	red horse-chestnut
'Briotii'	12	5b	ruby red horse- chestnut

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
<i>glabra</i>	6-18	2b	Ohio buckeye
<i>hippocastanum</i>	23	5b	horse-chestnut
'Baumannii'	18	5b	Baumann horse- chestnut
× <i>mutabilis induta</i>	2-3	5	arboretum buckeye
<i>sylvatica (neglecta)</i>	7-18	5	painted buckeye
<i>Ailanthus altissima</i>	9-12	6	tree of heaven
<i>Albizia julibrissin</i>	8	8b	silk tree
'Rosea'	6	7b	
<i>Alnus cordata</i>	12	6	European alder
<i>glutinosa</i>	6-15	4	black alder
'Imperialis'	3-9	4b	royal alder
<i>hirsuta</i>	3-9	5	Manchurian alder
<i>incana</i>	4-15	4	European white alder
'Aurea'	9	5	yellowleaf white alder
<i>Amelanchier arborea</i> *	10	4b	downy serviceberry
<i>canadensis</i> *	8	4	shadblow
× <i>grandiflora</i>	8	4	apple serviceberry
'Robin Hill'	6	5	
<i>laevis</i> *	9	3b	Alleghany serviceberry
<i>Aralia elata</i>	2-8	5	Japanese angelicatree
<i>spinosa</i>	3-10	6	Hercules' club
<i>Araucaria araucana</i>	18	8	monkey puzzle tree
<i>Arbutus menziesii</i> *	9-14	8	Pacific madrone
<i>Asimina triloba</i> *	6-10	6	pawpaw
<i>Betula albo-sinensis</i>	12-21	3	Chinese paper birch
<i>alleghaniensis</i> *	15-21 (30)	3b	yellow birch
( <i>B. lutea</i> )			
<i>lenta</i> *	12-15	4b	sweet birch
<i>nigra</i>	12-21	3b	river birch
<i>occidentalis</i> *	6-12	2b	water birch
<i>papyrifera</i> *	15-24	2	canoe birch
<i>commutata</i>	10-25 (30)	2	western white birch
<i>pendula (B. verrucosa)</i>	18	2	European white birch
'Fastigiata'	10-14	2	columnar European birch
'Gracilis' ('Laciniata')	12	2	cutleaf weeping birch

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
'Purpurea'	9	3	purpleleaf birch
'Tristis'	12	2	slender birch
'Youngii'	9	2b	Young's weeping birch
<i>populifolia</i> *	6-9	3	gray birch
<i>Calocedrus (Libocedrus)</i> <i>decurrens</i>	12-25	8	California incense- cedar
<i>Carpinus betulus</i>	12	6	European hornbeam
'Fastigiata'	10	6b	pyramidal European hornbeam
<i>caroliniana</i> *	5-10	3b	American hornbeam, bluebeech
<i>Carya cordiformis</i> *	15-20	4	bitternut hickory
<i>glabra</i> *	10-20	5	pignut
<i>illinoensis (C. pecan)</i>	12-21	5b	pecan
		(Fruit-7b)	
<i>ovata</i> *	18-25	4b	shagbark hickory
<i>tomentosa</i> *	15-20	6	mockernut hickory
<i>Castanea dentata</i> *	18-25	5	sweet chestnut, American chestnut
<i>mollissima</i>	10-15	6	Chinese chestnut
<i>Catalpa bignonioides</i>	12	6	southern catalpa, common catalpa
'Nana'	5	5b	umbrella catalpa
<i>ovata</i>	10	5	Chinese catalpa
<i>speciosa</i>	12-18	5b	western catalpa
<i>Cedrela sinensis</i>	15	7	Chinese toona
<i>Cedrus atlantica</i>	24	7b	atlas cedar
'Glauca'	24	7b	blue atlas cedar
'Pendula'	12	7b	weeping atlas cedar
<i>deodara</i>	30	8	Deodar cedar
<i>libani</i>	18-30	8	cedar of Lebanon
<i>Celtis occidentalis</i> *	10.5-21	2b	common hackberry
<i>Cercidiphyllum japonicum</i>	12-18	5	Katsura tree
<i>Cercis canadensis</i>	3-9	6	eastern redbud
<i>chinensis</i>	5-9	7b	Chinese redbud
<i>siliquastrum</i>	8	8	Judas tree
<i>Chamaecyparis</i> <i>lawsoniana</i>	24	7b	Lawson false cypress
'Allumii'	9	7b	scarab Lawson false cypress

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
'Fletcheri'	3.6-6	7b	Fletcher false cypress
'Spek'	9	7b	
'Stewartii'	4.6	7b	Stewart golden false cypress
'Triomf van Boskoop'	13.5	7b	
<i>nootkatensis</i> *	24-30 (42)	6b	Nootka cypress
'Pendula'	6-18	5b	pendulous Nootka cypress
<i>obtus</i>	7-23	5	Hinoki cypress
<i>pisifera</i>	5-18	4b	Sawara false cypress
<i>Chionanthus virginicus</i>	3-9	5b	white fringetree
<i>Cladrastis lutea</i>	9-12	4b	American yellowwood
<i>Cornus alternifolia</i> *	5-9	3b	pagoda dogwood
<i>controversa</i>	6-12	6b	giant dogwood
'Eddie's White Wonder'	7.5	7b	
<i>florida</i> *	6-12	6b	flowering dogwood
'Cherokee Chief'	3-6	7	
'Rubra'	6	7	red flowering dogwood
'White Princess'	7	7	
<i>kousa</i>	6	6b	Japanese dogwood
<i>chinensis</i>	6	6b	Chinese dogwood
<i>mas</i>	3-7	5b	Cornelian-cherry
<i>nuttalii</i> *	6-12 (18)	8	Pacific dogwood
'Eddiei'	9	8	variegated Pacific dogwood
<i>Corylus colurna</i>	9-15	5	Turkish hazel
<i>Crataegus arnoldiana</i>	7.5	2b	Arnold hawthorn
'Autumn Glory'	4-6	6	
<i>chlorosarca</i>	4-6	2	blackfruit hawthorn
<i>crus-galli</i> *	4-9	2b	cockspur hawthorn
<i>erythropoda</i>	5-8	4	chocolate hawthorn
× <i>grignonensis</i>	6	3b	
<i>laevigata (oxyacantha)</i>	6	6	English hawthorn
'Paulii'	6	6	Paul's scarlet hawthorn
'Plena'	6	6	double English hawthorn
'Rosea Plena'	6	6	double pink English hawthorn

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
'Superba'	5	6	crimson cloud hawthorn
× <i>lavalleyi</i>	7	5	Lavalle hawthorn
<i>mollis</i> *	6	2b	downy hawthorn
<i>monogyna</i>	9	5	singleseed hawthorn, common hawthorn
'Stricta'	7	5	pyramidal singleseed hawthorn
× <i>mordenensis</i> 'Toba'	5	3	toba hawthorn
'Snowbird'	5	3	snowbird hawthorn
<i>nitida</i>	9	5	glossy hawthorn
<i>phaenopyrum</i>	5-8	5	Washington hawthorn
<i>punctata</i> *	6	5	dotted hawthorn
'Aurea'	6	6	yellow dotted hawthorn
<i>rivularis</i>	5-8	2b	river hawthorn
<i>succulanta</i> *	5	2	fleshy hawthorn
<i>Cryptomeria japonica</i>	9-30	6b	cryptomeria
<i>Cunninghamia lanceolata</i>	5-15	7	common China fir
× <i>Cupressocyparis</i>			
<i>leylandii</i>	12-15	7b	Leyland cypress
<i>Cupressus macrocarpa</i>	15	8b	Monterey cypress
<i>sempervirens</i>	15	8b	Italian cypress
<i>Davidia involucrata</i>	6-15	7b	dovetree
<i>Diospyros virginiana</i>	9-15	7	common persimmon
<i>Elaeagnus angustifolia</i>	6-10	2b	Russian olive
<i>Eucommia ulmoides</i>	12	7	hardy rubber tree
<i>Euonymus europaeus</i>	5	4	European spindletree
'Aldenhamensis'	5-6	4	Aldenham spindletree
'Red Cascade'	5-6	4	red cascade spindletree
<i>hamiltonianus maackii</i>	6-9	2	maack euonymus
<i>yedoensis</i>	5-6	4	Yeddo euonymus
<i>Evodia danielii</i>	5-9	6b	Korean evodia
<i>hupehensis</i>	7-12	6	
<i>Fagus grandifolia</i> *	18-24	4	American beech
<i>sylvatica</i>	15-24	6	European beech
'Asplenifolia'	12-15	5b	fern-leaved beech

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
'Atropunicea'	10	6	purple beech
('Cuprea')			
'Fastigiata'	9-12	6	pyramidal European beech
'Laciniata'	10	6	cutleaf European beech
'Pendula'	12-15	6	weeping beech
'Purpurea-pendula'	6	6	weeping purple beech
'Riversii'	10-15	6	Rivers purple beech
'Spaethiana'	12	6	Spaeth purple beech
'Tricolor'	12	6b	tricolor beech
<i>Ficus carica</i>	6	7b	common fig
<i>Franklinia alatamaha</i>	5-9	7	franklinia
<i>Fraxinus americana</i> *	15-20 (30)	3b	white ash
'Kleinburg'	15	4	Kleinburg ash
'Manitou'	12	4	Manitou ash
<i>excelsior</i>	9-18	4	European ash
'Aurea'	12	5	golden European ash
'Nana'	8	5	globe European ash
'Pendula'	12	5	weeping European ash
'Westhof's Glorie'	12	4	seedless European ash
<i>holotricha</i>	12	6b	Kimberly blue ash
<i>mandshurica</i>	15-20	3b	Manchurian ash
<i>nigra</i> *	15-20	2b	black ash
<i>ornus</i>	12	7b	flowering ash
<i>pennsylvanica</i>	12-18 (24)	2b	red ash
<i>lanceolata</i>	15	2b	green ash
( <i>subintegerrima</i> )			
'Marshall's Seedless'	14	4	Marshall's seedless ash
'Summit'	15	2b	summit ash
<i>Ginkgo biloba</i>	12-18	4	maidenhair tree
'Autumn Gold'	15	4	autumn gold ginkgo
'Fastigiata'	15	5	fastigate ginkgo
<i>Gleditsia triacanthos</i> *	15-20	4	common honey-locust
'Imperial'	15	4	imperial honey-locust

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>inermis</i>	18	4	thornless honey-locust
'Moraine'	15	4	Moraine honey-locust
'Rubylace'	12	4	rubylace honey-locust
'Shademaster'	15	4	shademaster honey-locust
'Skyline'	15	4	skyline honey-locust
'Sunburst'	12	4	sunburst honey-locust
<i>Gymnocladus dioicus</i> *	12-20	5	Kentucky coffee tree
<i>Halesia carolina</i>	4.6-9	6	Carolina silverbell
<i>monticola</i>	4.6-7.5	6	mountain silverbell
<i>Hippophae rhamnoides</i>	3-4.6	2b	common sea-buckthorn
<i>Ilex aquifolium</i>	3-9	7	English holly
<i>opaca</i>	3-10.5	7	American holly
<i>Juglans</i>			
<i>ailanthifolia cordiformis</i>	9-15	4b	heartnut
<i>cinerea</i> *	15-23	3	butternut
<i>mandshurica</i>	12-18	3b	Manchurian walnut
<i>nigra</i> *	15-27	3b	black walnut
<i>regia</i>	18	7	English walnut, Persian walnut
'Carpathian'	15	4	Carpathian walnut
<i>Juniperus chinensis</i>	6-12	5	Chinese juniper
'Ames'	3	5	Ames juniper
'Fairview'	5	5	fairview juniper
'Mountbatten'	4	4	Mountbatten juniper
<i>scopulorum</i>	3-9	2	western red cedar, rocky mountain juniper
'Grey Gleam'	3	3	grey gleam juniper
'Greenspire'	4	4	greenspire juniper
'Springbank'	4	3	springbank juniper
<i>virginiana</i>	7-9	3	eastern red cedar, red cedar
'Burkii'	5	3	Burk red cedar
'Canaerti'	6	2b	Canaert red cedar
'Skyrocket'	5	3	skyrocket juniper
<i>Kalopanax pictus</i>	6-12	5	castor-aralia

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>Koelreuteria paniculata</i>	5-9	6b	goldenrain tree
<i>Laburnum alpinum</i>	5-8	6b	Scots laburnum
<i>anagyroides</i>	6	6b	goldenchain tree
× <i>watereri</i> 'Vossii'	8	6	Waterer laburnum
<i>Larix decidua</i>	15-25	3b	European larch
× <i>eurolepis</i>	18	3	Dunkeld larch
<i>kaempferi</i>	12-25	2b	Japanese larch
<i>laricina</i> *	18-27	1	American larch, tamarack
<i>sibirica</i>	15-25	2	Siberian larch
<i>Liquidambar styraciflua</i>	18-25	7	sweet-gum
<i>Liriodendron tulipifera</i> *	12-24 (33)	5b	tulip tree, yellow-poplar
<i>Maackia amurensis</i>	7-9	3b	Amur maackia
<i>Maclura pomifera</i>	6-12	6	Osage-orange
<i>Magnolia acuminata</i> *	12-20	5b	cucumbertree
<i>cordata</i>	10	8	yellow cucumbertree
<i>heptapeta (denudata)</i>	12	7	Yulan magnolia
<i>grandiflora</i>	6	9a	southern magnolia
<i>hypoleuca (obovata)</i>	18	7	whiteleaf Japanese magnolia
<i>kobus borealis</i>	5-15	5	
'Merrill'	10	5	Merrill magnolia
<i>macrophylla</i>	12	7	bigleaf magnolia
<i>salicifolia</i>	4-8	6	anise magnolia
<i>sieboldii</i>	8	7b	Oyama magnolia
× <i>soulangiana</i>	4-8	5b	saucer magnolia
'Alba Superba'	4-8	5b	white saucer magnolia
'Alexandrina'	4-8	5b	Alexander saucer magnolia
'Brozzonii'	4-8	5b	Brozzoni saucer magnolia
'Lennei'	4-8	6	Lenne saucer magnolia
<i>stellata</i>	3-6	5b	star magnolia
<i>virginiana</i>	3-15	7b	sweet bay
<i>Malus</i> 'Almey'	6	2b	Almey crab apple
'American Beauty'	7	5	
'Arctic Dawn'	8	2b	arctic dawn crab apple
× <i>arnoldiana</i>	6	5	Arnold crab apple

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
<i>×atrosanguinea</i>	6	5	carmine crab apple
<i>baccata</i>	5-9	2b	Siberian crab apple
'Columnaris'	6	2b	columnar Siberian crab apple
<i>mandshurica</i>	6	2b	Manchurian crab apple
<i>coronaria</i> 'Charlottae'	6	3	Charlotte crab apple
'Cowichan'	6	4	Cowichan crab apple
'Crimson Brilliant'	6	5	crimson brilliant crab apple
'Dolgo'	9	2b	dolgo apple crab
'Dorothea'	6	4	Dorothea crab apple
<i>floribunda</i>	8	5b	Japanese flowering crab apple
'Garry'	8	2b	Garry crab apple
'Golden Hornet'	6	4b	golden hornet crab apple
'Hopa'	9	2b	Hopa crab apple
<i>hupehensis</i>	8	5	tea crab apple
<i>ioensis</i> 'Plena'	9	4b	Bechtel's crab apple
'Prairie Rose'	9	4	prairie rose crab apple
'Katherine'	6	4	Katherine crab apple
'Kelsey'	5	2	Kelsey crab apple
'Makamik'	9	2b	Makamik crab apple
'Maybride'	4	4	maybride crab apple
<i>×moerlandsii</i> 'Liset'	6	4	
'Profusion'	6	4	profusion crab apple
'Nipissing'	7	4	Nipissing crab apple
'Oekonomierat Echtermeyer'	5	5	
'Prince Georges'	6	5	Prince Georges crab apple
<i>×purpurea</i>	6	3b	purple crab apple
'Aldenhamensis'	6	3b	Aldenham crab apple
'Eleyi' ('Jay Darling')	6	3b	Eley crab apple
'Lemoinei'	8	5	Lemoine crab apple
'Radiant'	8	3b	radiant crab apple
'Red Jade'	5	5	red jade weeping crab apple
'Red Silver'	9	4b	red silver crab apple

Botanical name	Height (metres)	Zone	Common name(s)
'Red Splendor'	8	2b	red splendor crab apple
'Renown'	9	2b	renown apple crab
'Rescue'	8	2b	rescue apple crab
'Royalty'	6	2b	royalty crab apple
'Rudolph'	7	2b	Rudolph crab apple
<i>sargentii</i>	3	5	Sargent's crab apple
× <i>scheideckeri</i>	6	5	Scheidecker crab apple
'Selkirk'	9	2b	Selkirk crab apple
'Sissipuk'	10	2b	Sissipuk crab apple
'Snowcloud'	7	4	snowcloud crab apple
'Strathmore'	7	2b	Strathmore crab apple
'Sundog'	9	2b	sundog crab apple
'Sutherland'	9	2b	Sutherland crab apple
'Tanner'	7	2b	Tanner's crab apple
'Thunderchild'	7	2b	thunderchild crab apple
'Van Eseltine'	6	2b	Van Eseltine crab apple
'White Angel'	7	5	white angel crab apple
× <i>zumi calocarpa</i>	6	4	redbud crab apple
<i>Metasequoia</i> <i>glyptostrobooides</i>	18	6	dawn redwood
<i>Morus alba</i>	9	3	white mulberry
'Pendula'	5	4	weeping mulberry
<i>nigra</i>	9	6	black mulberry
<i>rubra</i> *	5-10 (15)	6	red mulberry
<i>Nyssa sylvatica</i> *	9-18	5b	black gum, sour gum
<i>Ostrya virginiana</i> *	7-10 (18)	3	American hop hornbeam, ironwood
<i>Oxydendrum arboreum</i>	6-12	7	sorrel tree, sourwood
<i>Parrotia persica</i>	5-10	7	Persian parrotia
<i>Paulownia tomentosa</i>	12	7	paulownia, princess tree
<i>Phellodendron amurense</i>	10-15	3	Amur cork tree
<i>Photinia serrulata</i>	5-10	7b	Chinese photinia

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>Picea abies</i>	20-30	2b	Norway spruce
<i>brewerana</i>	20	7b	Brewer spruce
<i>engelmannii</i> *	20-30 (45)	3	Engelmann spruce
<i>glauca</i> *	20-30 (36)	1	white spruce
<i>albertiana</i> *	20-30	1	western white spruce
'Densata'	25	1b	black hills spruce
<i>omorika</i>	20-30	3b	Serbian spruce
<i>orientalis</i>	20-25	6	oriental spruce
<i>pungens</i>	10-25	2	Colorado spruce
'Glauca'	10-25	2	blue Colorado spruce
'Hoopsii'	10-20	2	Hoopsi blue spruce
'Koster'	10-20	2	Koster blue spruce
'Moerheimii'	10-20	2	Moerheim blue spruce
<i>sitchensis</i> *	25-40 (50)	5	Sitka spruce
<i>Pinus aristata</i>	3-10	3	bristlecone pine
<i>banksiana</i> *	10-25	1	jack pine
<i>cembra</i>	10-20	2	Swiss stone pine
<i>contorta</i> *	5-15	6	shore pine
<i>latifolia</i> *	15-25 (30)	1	lodgepole pine
<i>densiflora</i>	20	5	Japanese red pine
'Umbraculifera'	3	5	Japanese umbrella pine
<i>flexilis</i> *	7-15 (25)	2b	limber pine
<i>jeffreyi</i>	18-30	5	Jeffrey's pine
<i>koraiensis</i>	25	5	Korean pine
<i>monticola</i> *	30 (45)	2b	western white pine
<i>nigra</i>	10-20	4b	black pine
<i>nigra (austriaca)</i>	12-20	4	austrian pine
<i>parviflora</i>	25	5b	Japanese white pine
<i>peuce</i>	15	4	Macedonian pine, Balkan pine
<i>ponderosa</i> *	18-25 (45)	2b	Ponderosa pine
<i>resinosa</i> *	15-30 (35)	2b	red pine, Norway pine
<i>rigida</i> *	10 (20)	5	pitch pine
<i>strobis</i> *	20-30 (45)	2b	eastern white pine, white pine
<i>sylvestris</i>	10-25	2	Scots pine
<i>thunbergiana</i>	20	5	Japanese black pine
<i>wallichiana</i>	20-30	7	Himalayan white pine

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
<i>Platanus</i> × <i>acerifolia</i>	18	6	London plane
<i>occidentalis</i> *	20-25	5b	sycamore, buttonwood
<i>orientalis</i>	10-20	7b	oriental plane
<i>Platycladus</i> ( <i>Thuja</i> )			
<i>orientalis</i>	6-15	7	oriental arborvitae
<i>Poncirus trifoliata</i>	4-8	7	hardy orange
<i>Populus alba</i>	15-25	2	white poplar
‘Nivea’	25	2	silver poplar
‘Pyramidalis’	10-15	4	Bolleana poplar
‘Racket’	12	3	rocket poplar
<i>angustifolia</i> *	7-12 (18)	2	willow-leaved poplar
<i>balsamifera</i> *	15-20 (30)	1	balsam poplar
<i>subcordata</i> ( <i>P.</i>			
<i>candicans</i> )	20-30	3b	balm of Gilead
<i>trichocarpa</i> *	20-25 (35)	2	black cottonwood
× <i>bernardii</i>	20-25	2b	northwest poplar
× <i>berolinensis</i>	15-25	2	Berlin poplar
× <i>canadensis</i> ‘Aurea’	15-25	3b	Van Geerte poplar
‘Eugenei’	20-30	2	Carolina poplar
<i>deltoides occidentalis</i> *	10-25 (30)	2b	plains cottonwood
( <i>P. sargentii</i> )			
<i>grandidentata</i> *	15-20 (30)	2b	large-toothed aspen
‘Griffin’	20-30	3	griffin poplar
<i>maximowiczii</i>	20	5	Japanese poplar
<i>nigra</i> ‘Italica’	21	4	Lombardy poplar
<i>thevestina</i>	20	2b	Theves columnar poplar
<i>simonii</i>	15	2b	Simon poplar
‘Fastigiata’	12	2b	pyramidal Simon poplar
<i>songarica</i>	20	2b	songary poplar
<i>tremula</i> ‘Erecta’	15	2b	columnar European aspen
<i>tremuloides</i> *	9-12 (25)	1	aspen poplar, trembling aspen
<i>tristis</i>	12-18	2b	browntwig aspen
<i>Prunus amygdalus</i>	6	7	flowering almond
<i>armeniaca</i>	7.5	7	flowering apricot
<i>sibirica</i>	6	2b	Siberian apricot
<i>avium</i> ‘Plena’	9	4b	double-flowered mazzard cherry

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>×blireiana</i>	6	6	flowering plum
<i>cerasifera</i>			
‘Atropurpurea’	6-9	5b	pissard plum
( <i>P. pissardii</i> )			
‘Nigra’	6	5	black myrobalan plum
‘Thundercloud’	6	5	thundercloud plum
‘Hally Jolivette’	4	6	
<i>×hillieri</i> ‘Spire’	7	6	Hillier spire cherry
<i>lusitanica</i>	3-9	7b	Portugal laurel
<i>maackii</i>	6-9	2b	Amur chokecherry
<i>padus</i>	10	2	European bird cherry
<i>commutata</i>	6-12	2	May Day tree
‘Pandora’	6	6	Pandora spring cherry
<i>pensylvanica</i> *	4-8	1	pin cherry, wild red cherry
‘Stockton’	7	2b	Stockton double pin cherry
<i>persica</i>	6	6b	flowering peach
<i>sargentii</i>	9-14	5	Sargent cherry
‘Columnaris’	10	5	columnar Sargent cherry
‘Rancho’	8	5	Rancho cherry
<i>serotina</i> *	12-20 (30)	2b	black cherry
<i>serrulata</i>	6-8	6	Japanese cherry
‘Amanogawa’	8	6	Amanogawa Japanese cherry
‘Kiku-shidare-sakura’	6	6	weeping Japanese cherry
‘Kwanzan’ (‘Hisakura’)	8	6	Kwanzan Japanese cherry
‘Pink Perfection’	6	6	pink perfection cherry
‘Shirofugen’	6	6	Shirofugen cherry
‘Shirotae’ (‘Mt. Fuji’)	5	6	Mount Fuji cherry
‘Shogetsu’	5	6	Shogetsu cherry
‘Tai Haku’	8	6	Tai Haku cherry
‘Ukon’	8	6	
<i>subhirtella</i>	9	6	Higan cherry
‘Accolade’	7.5	6	Accolade Higan cherry

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
'Autumnalis'	8	6	autumn Higan cherry
'Pendula'	6	6	weeping Higan cherry
<i>virginiana</i> 'Shubert'	4-8	2	Shubert chokecherry
× <i>yedoensis</i>	6-12	7b	Yoshino cherry
'Akebono'	8	7	Akebono flowering cherry
<i>Pseudolarix kaempferi</i> ( <i>amabilis</i> )	6-15	7	golden larch
<i>Pseudotsuga menziesii</i> * ( <i>taxifolia</i> )	18-45 (90)	7b	Douglas fir (Coastal)
<i>glauca</i> *	15-30	3	Rocky Mountain fir, blue Douglas fir (Interior)
<i>Ptelea trifoliata</i> *	4-8	3b	hop tree
<i>Pterostyrax hispidus</i>	5-10	6	epaulette tree
<i>Pyrus calleryana</i>	9	5	Callery pear
'Bradford'	15	5b	Bradford pear
'Chantecleer'	15	5b	
<i>ussuriensis</i>	6-12	2b	Ussurian pear
<i>Quercus acutissima</i>	12-18	7	sawtooth oak
<i>alba</i> *	15-27	4	white oak
<i>bicolor</i> *	12-18	4b	swamp white oak
<i>coccinea</i>	12-25	4	scarlet oak
<i>garryana</i> *	15-18	8	Oregon oak
<i>imbricaria</i>	9-18	4b	shingle oak
<i>macrocarpa</i> *	6-18 (27)	2	bur oak
<i>muehlenbergii</i> *	9-12 (27)	4b	Chinqua pin oak
<i>palustris</i> *	9-15 (23)	4	pin oak
<i>prinus</i> *	10.5-12 (21)	5	chestnut oak
<i>robur</i>	15-23	5	English oak
'Concordia'	12	7	golden oak
'Fastigiata'	12	5	pyramidal English oak
<i>rubra</i> * ( <i>Q. borealis</i> )	12-25 (30)	3	red oak
'Maxima'	12-25	3	northern red oak
<i>velutina</i> *	18-21 (36)	5	black oak
<i>Rhus typhina</i> *	3-8	3	staghorn sumac
'Laciniata'	3-5	3	cutleaf staghorn sumac
<i>Robinia</i> × <i>ambigua</i>			
'Decaisneana'	12	4	Decaisne locust

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
'Idahoensis'	8	4	Idaho locust
<i>boyntonii</i>	2	5	Boynton's locust
<i>fertilis</i> 'Monument'	3-6	4	monument locust
<i>hispida</i>	1.5-2	5	rose acacia
<i>pseudoacacia</i>	9-15	4	black locust
'Pyramidalis'	9-15	4	pyramidal black locust
'Umbraculifera'	6	4	mop-headed black locust
<i>Salix acutifolia</i>	15	2	ashleaf willow
<i>alba</i>	18	4	white willow
<i>chermesina</i>	12	3	redstem willow
'Dropmore'	15	2	Dropmore willow
<i>sericea</i>	18	2	silver willow
<i>tristis</i>	13-18	4	niobe willow
<i>vitellina</i>	12	3	yellowstem willow
<i>babylonica</i>	9	7b	Babylon weeping willow
× <i>blanda</i>	18	4	Wisconsin weeping willow
<i>caprea</i>	4-8	5	goat willow
× <i>elegantissima</i>	10	5	Thurlow weeping willow
<i>matsudana</i> 'Tortuosa'	9	5	corkscrew willow
<i>pentandra</i>	7-12	1b	laurel willow
<i>Sassafras albidum</i> *	9-12	6	sassafras
<i>Sciadopitys verticillata</i>	3-12	7	umbrella pine
<i>Sequoia sempervirens</i>	7-45	8	redwood
<i>Sequoiadendron</i> <i>giganteum</i>	7-45	7b	giant sequoia
<i>Sophora japonica</i>	7-18	6b	Japanese pagoda tree
'Pendula'	9	6b	weeping Japanese pagoda tree
<i>Sorbus alnifolia</i>	7-12	4b	Korean mountain ash
<i>americana</i> *	3-9	3	American mountain ash
<i>aria</i>	4-10	4	white beam
'Lutescens'	4-10	4	goldbeam
'Majestica'	4-10	4	Decaisne mountain ash

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
<i>aucuparia</i>	7-13	3	European mountain ash, rowan
‘Edulis’	7-10	4	Moravian mountain ash
‘Fastigiata’	7-9	4	upright mountain ash
‘Pendula’	7	3	weeping mountain ash
‘Rossica’	7-10	3	Russian mountain ash
<i>decora</i> *	4-10	2	showy mountain ash
‘Rowancroft Pink Coral’	7	4	
<i>intermedia</i>	12	5	Swedish white beam
<i>scopulina</i> *	7	2	Greene’s mountain ash
× <i>thuringiaca</i> ‘Fastigiata’	8	5	oak-leaved mountain ash
‘Leonard Springer’	9	4	Springer mountain ash
<i>Stewartia koreana</i>	3-6	7	Korean stewartia
<i>pseudocamellia</i>	4-8	7	Japanese stewartia
<i>Styrax japonicus</i>	3-8	6b	Japanese snowbell
<i>obassia</i>	3-8	7	fragrant snowbell
<i>Syringa reticulata</i>	6-8	2	Japanese tree lilac
( <i>amurensis japonica</i> )			
‘Ivory Silk’	8	2	ivory silk tree lilac
<i>mandshurica</i>			
( <i>amurensis</i> )	3-5	2	Amur tree lilac
<i>Taxodium distichum</i>	7-24	5b	bald cypress
<i>Taxus baccata</i>	9	7	English yew
‘Fastigiata’	4-8	7	Irish yew
<i>cuspidata</i>	4-15	4	Japanese yew
<i>Thuja occidentalis</i> *	4-13 (18)	3	arborvitae, white cedar
‘Brandon’	3-6	2	Brandon cedar
‘Elegantissima’	4	3b	goldtipped cedar
‘Ellwangeriana’	3-6	3	Ellwanger’s arborvitae
‘Fastigiata’			
(‘Pyramidalis’)	5	3	pyramid cedar
‘Holmstrup’	4	3	Holmstrup cedar

\* Species native to Canada.

Botanical name	Height (metres)	Zone	Common name(s)
'Nigra'	5	4	black arborvitae
'Robusta' ('Wareana')	5	2	Siberian cedar
'Smaragd'	3-6	3	Smaragd cedar
'Techny'	5	3	Techny cedar
<i>plicata</i> *	15-55 (66)	6b	giant arborvitae
'Atrovirens'	15	6	
'Aurea'	10	6	golden arborvitae
'Excelsa'	30-60	6	
<i>standishii</i>	12	5	Japanese arborvitae
<i>Thujopsis dolabrata</i>	10	7b	hiba arborvitae
<i>Tilia americana</i> *	18-20 (30)	2b	basswood, American linden
<i>cordata</i>	12-15	3	littleleaf linden
'De Groot'	12	3	De Groot linden
'Glenleven'	15	3	Glenleven linden
'Greenspire'	15	3	greenspire linden
'Morden'	15	3	Morden linden
'Rancho'	12	3	Rancho linden
× <i>euchlora</i>	15	5	Crimean linden
'Redmond'	15	5	redmond linden
× <i>europaea</i>	25	4	European linden
'Pallida'	25	4	paleleaf linden
× <i>flavescens</i> 'Dropmore'	15	3	Dropmore linden
<i>mongolica</i>	13	3b	Mongolian linden
<i>petiolaris</i>	18	5	pendent silver linden
<i>platyphyllos</i>	15-25	4	bigleaf linden
'Orebro'	15	4	Orebro linden
<i>tomentosa</i>	12-18	6	silver linden
<i>Trachycarpus fortunei</i>	6	9a	windmill palm
<i>Tsuga canadensis</i> *	18-23	4	Canadian hemlock
<i>caroliniana</i>	15	7	Carolina hemlock
<i>diversifolia</i>	15-23	7	Japanese hemlock
<i>heterophylla</i> *	24-36 (60)	5	western hemlock
<i>Ulmus americana</i> *	18-36	2	American elm
'Brandon'	24	2b	Brandon elm
'Morden'	24	2b	Morden elm
'Patmore'	18	3	Patmore elm
<i>carpinifolia</i>	18	5	smooth-leaved elm
'Christine Buisman'	15-18	5	Christine Buisman elm
'Umbraculifera'	7	5	globe elm
<i>glabra</i> 'Horizontalis' ( 'Pendula' )	7	4b	table top elm

\* Species native to Canada.



Botanical name	Height (metres)	Zone	Common name(s)
<i>parvifolia</i>	9-12	5	Chinese elm
<i>procera</i>	24	6	English elm
<i>pumila</i>	18	3b	Siberian elm
'Dropmore'	18	2	Dropmore elm
<i>rubra</i> *	18-21	3b	red elm, slippery elm
<i>thomasii</i> *	15-21	4	cork elm
× <i>vegeta</i> 'Camperdownii'	12	4b	Camperdown elm
<i>Viburnum lentago</i> *	3-6	2	nannyberry
<i>Zelkova serrata</i>	18	6	Japanese zelkova
'Village Green'	15-18	6	village green zelkova

\* Species native to Canada.

#### Some common and botanical names

Alder	<i>Alnus</i>
Almond	<i>Prunus</i>
Apricot	<i>Prunus</i>
Arborvitae	<i>Thuja, Platycladus</i>
Ash	<i>Fraxinus</i>
Ash, mountain	<i>Sorbus</i>
Aspen	<i>Populus</i>
Beech	<i>Fagus</i>
Birch	<i>Betula</i>
Box-elder	<i>Acer negundo</i>
Butternut	<i>Juglans cinerea</i>
Buttonwood	<i>Platanus occidentalis</i>
Catalpa	<i>Catalpa</i>
Cedar	<i>Cedrus</i>
Cedar, red	<i>Juniperus</i>
Cedar, white	<i>Thuja occidentalis</i>
Cherry	<i>Prunus</i>
Chestnut	<i>Castanea</i>
Cork tree	<i>Phellodendron</i>
Cottonwood	<i>Populus</i>
Crab apple	<i>Malus</i>
Cucumbertree	<i>Magnolia</i>
Cypress	<i>Cupressus</i>
Cypress, bald	<i>Taxodium distichum</i>
Cypress, false	<i>Chamaecyparis</i>
Dogwood	<i>Cornus</i>
Dovetree	<i>Davidia involucrata</i>

Elm  
 Epaulette tree  
 Fig  
 Fir  
 Fir, Douglas  
 Goldenrain tree  
 Goldenchain tree  
 Gum, black  
 Gum, sour  
 Hackberry  
 Hawthorn  
 Hemlock  
 Hickory  
 Holly  
 Honey-locust  
 Hop tree  
 Hornbeam  
 Horse-chestnut  
 Katsura tree  
 Kentucky coffee tree  
 Larch  
 Lilac  
 Linden  
 Locust  
 Maidenhair tree  
 Maple  
 May Day tree  
 Mulberry  
 Oak  
 Olive, Russian  
 Orange, hardy  
 Osage-orange  
 Pagoda tree, Japanese  
 Pear  
 Persimmon  
 Pine  
 Plane  
 Plum  
 Poplar  
 Redbud  
 Redwood  
 Redwood, Dawn  
 Sassafras  
 Sea-buckthorn, common  
 Serviceberry  
 Sequoia, giant  
 Silverbell

*Ulmus*  
*Pterostyrax hispidus*  
*Ficus*  
*Abies*  
*Pseudotsuga menziesii*  
*Koelreuteria paniculata*  
*Laburnum anagyroides*  
*Nyssa sylvatica*  
*Nyssa sylvatica*  
*Celtis*  
*Crataegus*  
*Tsuga*  
*Carya*  
*Ilex*  
*Gleditsia*  
*Ptelea trifoliata*  
*Carpinus*  
*Aesculus*  
*Cercidiphyllum japonicum*  
*Gymnocladus dioica*  
*Larix*  
*Syringa*  
*Tilia*  
*Robinia*  
*Ginkgo biloba*  
*Acer*  
*Prunus padus commutata*  
*Morus*  
*Quercus*  
*Elaeagnus angustifolia*  
*Poncirus trifoliata*  
*Maclura pomifera*  
*Sophora japonica*  
*Pyrus*  
*Diospyros*  
*Pinus*  
*Platanus*  
*Prunus*  
*Populus*  
*Cercis*  
*Sequoia*  
*Metasequoia glyptostroboides*  
*Sassafras albidum*  
*Hippophae rhamnoides*  
*Amelanchier*  
*Sequoiadendron giganteum*  
*Halesia*

Snowbell  
Sourwood  
Spindletree  
Spruce  
Sumac  
Sweet-gum  
Sycamore  
Tulip tree  
Walnut  
Willow  
Yellowwood  
Yew  
Zelkova, Japanese

*Styrax*  
*Oxydendrum arboreum*  
*Euonymus*  
*Picea*  
*Rhus*  
*Liquidambar styraciflua*  
*Platanus*  
*Liriodendron tulipifera*  
*Juglans*  
*Salix*  
*Cladrastis lutea*  
*Taxus*  
*Zelkova serrata*



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